Figure 4: Assessment of Target Viability for All targets

Blackbird-Millington Corridor

Conservation Target Enter # of Target		Category	Key Attribute	Indicator	**Bold = Current** Indicator Ratings *Italics = Desired*				Current Rating	Desired Rating
					Poor	Fair	Good	Very Good		
1	Mixed Hardwood Coastal Matrix Forest	Landscape Context	Connectivity - Animal Travel Habitat Continuity	Forest patch isolation	**< 15,000 acres with more than 58% total forest cover within 2 km**	at least 15,000 acres 59% or more total forest cover within 2 km	*at least 15,000 acres with 70% or more total forest cover within 2 km*	at least 15,000 acres with 81%or more total forest cover within 2 km	Poor	Good
1	Mixed Hardwood Coastal Matrix Forest	Condition	Biological composition and structure	Maturity	**<20% of forests comprised of mature forest habitat (100+ yr old trees)**	>20-50% of forests comprised of mature forest habitat (100+ yr old trees)	*50-60% of forests comprised of mature forest habitat (100+ yr old trees)*	>60% of forest comprised of mature forest habitat (100+ yr old trees)	Poor	Good
1	Mixed Hardwood Coastal Matrix Forest	Condition	Species Composition/Abundance	mosaics of dominant tree species present	<30% of forest comprised of oak dominated (25% or more) mixed hardwood stands	**30-50% of forest comprised of oak dominated (25% or more) mixed hardwood stands**	*51-70% of forest comprised of oak dominated (25% or more) mixed hardwood stands*	>70% of forest comprised of oak dominated (25% or more) mixed hardwood stands	Fair	Good
1	Mixed Hardwood Coastal Matrix Forest	Size	patch size	zonal thickness	**>15,000 acres with ZT < 698 meters**	>15,000 acres with ZT >698 m meters	*>15,000 acres comprised of forest patches with ZT >725 meters or*	>15,000 acres comprised of forest patches with ZT 1297 meters or greater	Poor	Good
2	Coastal Plain Pond Complexes	Landscape Context	Connectivity - Animal Travel Habitat Continuity	pond density	complexes with < .0024 ponds per acre	complexes with .0024-.04 ponds per acre	complexes with .04-.07 ponds per acre	***complexes with .0-.1 ponds per acre***	Very Good	Very Good
2	Coastal Plain Pond Complexes	Landscape Context	Hydroperiod	depth and duration of inundation	average of <1 pond per complex inundated throughout entire breeding season, December to late July, on average	Average of 1 pond per complex with inundation from December to late July, on average	average of 2-3 ponds per complex with inundation from December to late July, on average	average of 3-4 ponds per complex with inundation from December to late July, on average		
2	Coastal Plain Pond Complexes	Condition	Biological composition and structure	forested habitat surrounding pond	**<25% of coastal plain ponds within complexes have 165 m forested upland**	25-50% of coastal plain ponds within complexes have a 250 m forested upland or >50% with 165 m forest upland	*50-75% of coastal plain ponds within complexes have a 250m forested upland*	100 % of coastal plain ponds within complexes have a 250 m forested upland	Poor	Good
2	Coastal Plain Pond Complexes	Condition	Connectivity - Animal Travel Habitat Continuity	Forested corridors between ponds	<60m wide forested corridor between ponds	60-100m wide forested corridor between ponds	100 m - 150m wide forested corridor between ponds	>150 m wide forested corridor between ponds		
2	Coastal Plain Pond Complexes	Condition	Water pH Regime	pH	pH <4.5 or >6.5	pH 4.5-5	pH 5 - 5.5	pH 5.5-6		
3	Tidal wetlands and waters	Landscape Context	Connectivity Between Adjacent Ecological Systems	Ability to migrate	topography unaltered within 100 year migration zone for 0 - 74% of marsh upland edge (no berms, bulkheads...)	topography unaltered within 100 year migration zone for 75 - 89% of marsh upland edge (no berms, bulkheads...)	topography unaltered within 100 year migration zone for 90% of marsh upland edge (no berms, bulkheads...)	***topography unaltered within 100 year migration zone for 90 - 100% of marsh upland edge (no berms, bulkheads...)***	Very Good	Very Good
3	Tidal wetlands and waters	Landscape Context	Connectivity Between Adjacent Ecological Systems	Extent of natural buffers to tidal wetlands and waters (beyond SLR)	**natural cover of <50% within 200m buffer or <75% within 100m buffer, whichever is less**	natural cover of 50 - 80% marsh ecotone within 200m buffer or 75 - 90% within 100m buffer, whichever is less	*natural cover of 80+ - 90% within 200m buffer or 90+ - 95% within 100m buffer, whichever is less*	natural cover of >90% within 200m buffer or >95% within 100m buffer, whichever is less	Poor	Good
3	Tidal wetlands and waters	Landscape Context	Hydrologic regime	Impervious surfacing in watershed	>15% impervious surfacing within watershed	10-15% impervious surfacing within watershed	***5-9% impervious surfacing within watershed, esp. gw recharge areas***	<5% impervious surfacing within watershed	Good	Good
3	Tidal wetlands and waters	Landscape Context	Hydrologic regime	Extent of upland ditching, export (atm, wastewater) of extracted groundwater			***density: xx miles of ditching / sq. miles watershed; xx gallons groundwater extracted and lost from watershed***		Good	Good
3	Tidal wetlands and waters	Landscape Context	Hydroperiod	absence of obstructions/alterations to flow regime	25% or greater of marsh has impaired tidal exchange	15-24% of marsh has impaired tidal exchange	***15-1% of marsh has impaired tidal exchange***	0% of marsh has impaired tidal exchange	Good	Good
3	Tidal wetlands and waters	Condition	Characteristic ecological community composition/distribution/extent	Characteristic vegetation dominant within appropriate salinity, elevation zones			**75% phragmites free?**	*90% phragmites free*	Good	Very Good
4	Riparian corridors	Landscape Context	Flow regime	absence of obstructions/alterations to flow regime	<65% of stream systems without ditches or dams	65-79% of stream systems without ditches or dams	***80-99% of stream systems without ditches or dams***	100% of stream systems without ditches or dams	Good	Good
4	Riparian corridors	Landscape Context	Flow regime	Impervious surfacing in the watershed	>15% of impervious surfacing in watershed	10-15% impervious surfacing in watershed	***5-9% impervious surfacing in watershed***	< 5% impervious surfacing in watershed	Good	Good
4	Riparian corridors	Landscape Context	water quality	impervious surfacing	>15% of impervious surfacing in watershed	10-15% impervious surfacing in watershed	***5-9% impervious surfacing in watershed***	< 5% impervious surfacing in watershed	Good	Good
4	Riparian corridors	Condition	Characteristic ecological community composition/distribution/extent	300 m forested buffer on streams in watershed (includes total riparian corridor buffer width including wetlands and floodplain)	<50% of riparian corridor with 300m forested riparian buffer	**50-75% of riparian corridor with 300m forested riparian buffer**	*75-90% of riparian corridor with 300m forested riparian buffer*	90-100% of riparian corridor with 300m forested riparian buffer	Fair	Good
4	Riparian corridors	Condition	water quality	100 m forested buffer on streams in watershed (includes total riparian corridor buffer width including wetlands and floodplain)	<50% of riparian corridor with 100 m forested buffer	50-80% of riparian corridor with +100 m forested buffer	***80-95% riparian corridor with 100m buffer***	95-100% of riparian corridor with 100m forested riparian buffer	Good	Good
4	Riparian corridors	Condition	water quality	water chemistry	**<50% of rivers and streams meet water quality standards for aquatic life**	50-75% of rivers and streams meet water quality standards for aquatic life	*75-90% of rivers and streams meet water quality standards for aquatic life*	> 90% of rivers and streams meet water quality standards for aquatic life	Poor	Good
5	Rural Amenities & Ecological Services	Landscape Context	Access to nature	Population per acre of public access			***0.52 people per acre***		Good	Good
5	Rural Amenities & Ecological Services	Condition	Community connection	length of ownership			***24% of residents 20 years or more***		Good	Good
5	Rural Amenities & Ecological Services	Condition	open space/privacy	Population per acre of open space			***0.11 people per acre; 35% protected***		Good	Good
5	Rural Amenities & Ecological Services	Size	Agricultural infrastructure	Acres available for agriculture			***29,709 acres in agricultural use; 24% protected***		Good	Good
5	Rural Amenities & Ecological Services	Size	Clean air and water	Forested acres			***>= 27,355 acres of forest cover; 28% protected.***		Good	Good